

#5
OIPE

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/668,558A

DATE: 06/11/2001
TIME: 12:48:28Input Set : D:\SEQLIST\Seq1st.txt
Output Set: N:\CRF3\06112001\I668558A.raw

5 <110> APPLICANT: Yen, Frances
6 Erickson, Mary Ruth
7 Fruebis, Joachim
8 Bihain, Bernard
10 <120> TITLE OF INVENTION: Methods Of Screening For Compounds That Modulate the
11 LSR-Leptin Interaction and Their Use in the Prevention
12 and Treatment of Obesity-Related Diseases
14 <130> FILE REFERENCE: 70.US2.REG
C--> 16 <140> CURRENT APPLICATION NUMBER: US/09/668,558A
C--> 16 <141> CURRENT FILING DATE: 2001-03-12
16 <150> PRIOR APPLICATION NUMBER: 60/155,506
17 <151> PRIOR FILING DATE: 1999-09-22
19 <160> NUMBER OF SEQ ID NOS: 106
21 <170> SOFTWARE: Patent.pm
23 <210> SEQ ID NO: 1
24 <211> LENGTH: 23187
25 <212> TYPE: DNA
26 <213> ORGANISM: Homo sapiens
28 <220> FEATURE:
29 <221> NAME/KEY: exon
30 <222> LOCATION: 2001..2356
31 <223> OTHER INFORMATION: exon1
33 <220> FEATURE:
34 <221> NAME/KEY: exon
35 <222> LOCATION: 3540..3884
36 <223> OTHER INFORMATION: exon2
38 <220> FEATURE:
39 <221> NAME/KEY: exon
40 <222> LOCATION: 12163..12282
41 <223> OTHER INFORMATION: exon3
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44 <221> NAME/KEY: exon
45 <222> LOCATION: 15144..15200
46 <223> OTHER INFORMATION: exon4
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49 <221> NAME/KEY: exon
50 <222> LOCATION: 15765..15911
51 <223> OTHER INFORMATION: exon5
53 <220> FEATURE:
54 <221> NAME/KEY: exon
55 <222> LOCATION: 19579..19752
56 <223> OTHER INFORMATION: exon6
58 <220> FEATURE:
59 <221> NAME/KEY: exon
60 <222> LOCATION: 19899..19958
61 <223> OTHER INFORMATION: exon7
63 <220> FEATURE:

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64 <221> NAME/KEY: exon
65 <222> LOCATION: 20056..20187
66 <223> OTHER INFORMATION: exon8
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73 <220> FEATURE:
74 <221> NAME/KEY: exon
75 <222> LOCATION: 21047..21187
76 <223> OTHER INFORMATION: exon10
78 <220> FEATURE:
79 <221> NAME/KEY: polyA_signal
80 <222> LOCATION: 21168..21173
81 <223> OTHER INFORMATION: AATAAA
83 <220> FEATURE:
84 <221> NAME/KEY: misc_feature
85 <222> LOCATION: 1..2000
86 <223> OTHER INFORMATION: potential 5'regulatory region
88 <220> FEATURE:
89 <221> NAME/KEY: misc_feature
90 <222> LOCATION: 22324..23187
91 <223> OTHER INFORMATION: homology with USF2 gene in ref: embl Y07661
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95 <222> LOCATION: 523..544
96 <223> OTHER INFORMATION: upstream amplification primer 17-2
98 <220> FEATURE:
99 <221> NAME/KEY: primer_bind
100 <222> LOCATION: 1047..1068
101 <223> OTHER INFORMATION: downstream amplification primer 17-2 , complement
103 <220> FEATURE:
104 <221> NAME/KEY: primer_bind
105 <222> LOCATION: 946..963
106 <223> OTHER INFORMATION: upstream amplification primer 99-4576
108 <220> FEATURE:
109 <221> NAME/KEY: primer_bind
110 <222> LOCATION: 1385..1402
111 <223> OTHER INFORMATION: downstream amplification primer 99-4576 , complement
113 <220> FEATURE:
114 <221> NAME/KEY: primer_bind
115 <222> LOCATION: 1096..1115
116 <223> OTHER INFORMATION: upstream amplification primer 9-19
118 <220> FEATURE:
119 <221> NAME/KEY: primer_bind
120 <222> LOCATION: 1616..1635
121 <223> OTHER INFORMATION: downstream amplification primer 9-19 , complement
123 <220> FEATURE:
124 <221> NAME/KEY: primer_bind

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Input Set : D:\SEQLST\Seq1st.txt
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125 <222> LOCATION: 1602..1621
126 <223> OTHER INFORMATION: upstream amplification primer 9-20
128 <220> FEATURE:
129 <221> NAME/KEY: primer_bind
130 <222> LOCATION: 2074..2093
131 <223> OTHER INFORMATION: downstream amplification primer 9-20 , complement
133 <220> FEATURE:
134 <221> NAME/KEY: primer_bind
135 <222> LOCATION: 2036..2053
136 <223> OTHER INFORMATION: upstream amplification primer 99-4557
138 <220> FEATURE:
139 <221> NAME/KEY: primer_bind
140 <222> LOCATION: 2563..2580
141 <223> OTHER INFORMATION: downstream amplification primer 99-4557 , complement
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144 <221> NAME/KEY: primer_bind
145 <222> LOCATION: 2084..2102
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148 <220> FEATURE:
149 <221> NAME/KEY: primer_bind
150 <222> LOCATION: 2483..2500
151 <223> OTHER INFORMATION: downstream amplification primer 9-1 , complement
153 <220> FEATURE:
154 <221> NAME/KEY: primer_bind
155 <222> LOCATION: 2470..2489
156 <223> OTHER INFORMATION: upstream amplification primer 9-21 , complement
158 <220> FEATURE:
159 <221> NAME/KEY: primer_bind
160 <222> LOCATION: 2062..2081
161 <223> OTHER INFORMATION: downstream amplification primer 9-21
163 <220> FEATURE:
164 <221> NAME/KEY: primer_bind
165 <222> LOCATION: 3455..3474
166 <223> OTHER INFORMATION: upstream amplification primer 9-3
168 <220> FEATURE:
169 <221> NAME/KEY: primer_bind
170 <222> LOCATION: 3882..3901
171 <223> OTHER INFORMATION: downstream amplification primer 9-3 , complement
173 <220> FEATURE:
174 <221> NAME/KEY: primer_bind
175 <222> LOCATION: 3775..3792
176 <223> OTHER INFORMATION: upstream amplification primer 99-4558
178 <220> FEATURE:
179 <221> NAME/KEY: primer_bind
180 <222> LOCATION: 4336..4356
181 <223> OTHER INFORMATION: downstream amplification primer 99-4558 , complement
183 <220> FEATURE:
184 <221> NAME/KEY: primer_bind
185 <222> LOCATION: 4902..4920

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186 <223> OTHER INFORMATION: upstream amplification primer 99-14419 , complement
188 <220> FEATURE:
189 <221> NAME/KEY: primer_bind
190 <222> LOCATION: 4444..4463
191 <223> OTHER INFORMATION: downstream amplification primer 99-14419
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194 <221> NAME/KEY: primer_bind
195 <222> LOCATION: 6638..6655
196 <223> OTHER INFORMATION: upstream amplification primer 99-4577
198 <220> FEATURE:
199 <221> NAME/KEY: primer_bind
200 <222> LOCATION: 7072..7089
201 <223> OTHER INFORMATION: downstream amplification primer 99-4577 , complement
203 <220> FEATURE:
204 <221> NAME/KEY: primer_bind
205 <222> LOCATION: 7995..8012
206 <223> OTHER INFORMATION: upstream amplification primer 99-4559
208 <220> FEATURE:
209 <221> NAME/KEY: primer_bind
210 <222> LOCATION: 8576..8593
211 <223> OTHER INFORMATION: downstream amplification primer 99-4559 , complement
213 <220> FEATURE:
214 <221> NAME/KEY: primer_bind
215 <222> LOCATION: 9622..9639
216 <223> OTHER INFORMATION: upstream amplification primer 99-3148
218 <220> FEATURE:
219 <221> NAME/KEY: primer_bind
220 <222> LOCATION: 10023..10040
221 <223> OTHER INFORMATION: downstream amplification primer 99-3148 , complement
223 <220> FEATURE:
224 <221> NAME/KEY: primer_bind
225 <222> LOCATION: 9964..9981
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228 <220> FEATURE:
229 <221> NAME/KEY: primer_bind
230 <222> LOCATION: 10546..10563
231 <223> OTHER INFORMATION: downstream amplification primer 99-4560 , complement
233 <220> FEATURE:
234 <221> NAME/KEY: primer_bind
235 <222> LOCATION: 10996..11015
236 <223> OTHER INFORMATION: upstream amplification primer 99-14411 , complement
238 <220> FEATURE:
239 <221> NAME/KEY: primer_bind
240 <222> LOCATION: 10492..10512
241 <223> OTHER INFORMATION: downstream amplification primer 99-14411
243 <220> FEATURE:
244 <221> NAME/KEY: primer_bind
245 <222> LOCATION: 11972..11990
246 <223> OTHER INFORMATION: upstream amplification primer 99-4561

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Input Set : D:\SQLST\Seq1st.txt

Output Set: N:\CRF3\06112001\I668558A.raw

248 <220> FEATURE:
 249 <221> NAME/KEY: primer_bind
 250 <222> LOCATION: 12481..12501
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 253 <220> FEATURE:
 254 <221> NAME/KEY: primer_bind
 255 <222> LOCATION: 12005..12023
 256 <223> OTHER INFORMATION: upstream amplification primer 9-4
 258 <220> FEATURE:
 259 <221> NAME/KEY: primer_bind
 260 <222> LOCATION: 12417..12436
 261 <223> OTHER INFORMATION: downstream amplification primer 9-4 , complement
 263 <220> FEATURE:
 264 <221> NAME/KEY: primer_bind
 265 <222> LOCATION: 14102..14119
 266 <223> OTHER INFORMATION: upstream amplification primer 99-4562
 268 <220> FEATURE:
 269 <221> NAME/KEY: primer_bind
 270 <222> LOCATION: 14543..14563
 271 <223> OTHER INFORMATION: downstream amplification primer 99-4562 , complement
 273 <220> FEATURE:
 274 <221> NAME/KEY: primer_bind
 275 <222> LOCATION: 14431..14448
 276 <223> OTHER INFORMATION: upstream amplification primer 99-3149
 278 <220> FEATURE:
 279 <221> NAME/KEY: primer_bind
 280 <222> LOCATION: 14848..14865
 281 <223> OTHER INFORMATION: downstream amplification primer 99-3149 , complement
 283 <220> FEATURE:
 284 <221> NAME/KEY: primer_bind
 285 <222> LOCATION: 14748..14767
 286 <223> OTHER INFORMATION: upstream amplification primer 9-22
 288 <220> FEATURE:
 289 <221> NAME/KEY: primer_bind
 290 <222> LOCATION: 15198..15218
 291 <223> OTHER INFORMATION: downstream amplification primer 9-22 , complement
 293 <220> FEATURE:
 294 <221> NAME/KEY: primer_bind
 295 <222> LOCATION: 14748..14767
 296 <223> OTHER INFORMATION: upstream amplification primer 9-24
 298 <220> FEATURE:
 299 <221> NAME/KEY: primer_bind
 300 <222> LOCATION: 15333..15351
 301 <223> OTHER INFORMATION: downstream amplification primer 9-24 , complement
 303 <220> FEATURE:
 304 <221> NAME/KEY: primer_bind
 305 <222> LOCATION: 15002..15019
 306 <223> OTHER INFORMATION: upstream amplification primer 9-5
 308 <220> FEATURE:

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

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VERIFICATION SUMMARY

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Input Set : D:\SEQLIST\Seq1st.txt

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L:16 M:270 C: Current Application Number differs, Replaced Current Application No
L:16 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:1457 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:1459 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:1460 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:1584 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:1593 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:1639 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2
L:1851 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:1860 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:2102 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:2111 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:2582 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:10
L:2971 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:14
L:4418 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:92
L:4434 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:93
L:4461 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:95
L:4499 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:98
L:4515 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:99
L:4531 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:100